

Amendment Under 37 C.F.R. § 1.111
USSN 09/988,365
Attorney Docket Q67233
March 8, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-6. (Canceled)

7. (New) An infrared detecting device comprising a heat-separation-structure diaphragm made of a thermal insulating material separated by a cavity from a silicon substrate, an infrared detection section formed on said diaphragm, and a heat absorption area separated from said infrared detection section by an insulation layer, wherein said heat absorption area is formed with an etching aperture for forming the cavity and said diaphragm is also formed with a plurality of etching apertures in an area different from said heat absorption area.

8. (New) An infrared detecting device according to claim 7, wherein said heat absorption area is formed with a plurality of etching apertures.

9. (New) An infrared detecting device according to claim 8, wherein said plurality of etching apertures are formed at equal intervals.

10. (New) An infrared detecting device according to claim 7, wherein said cavity is mainly formed through anisotropic etching.

11. (New) An infrared detecting device according to claim 7, wherein said infrared detecting device is a thermopile type.